

NCCS Scientific Computing Liaison

Modeling & Simulation Group



Problem Statement:

Act as liaison for the SciDAC Simulation of Wave Interactions (SWIM) project (PI:Ricky Kendall) on the NCCS Jaguar computer.

Technical Approach:

Project partnerships in science, visualization, workflow, & data analytics

High-level user assistance

Scalable algorithmic development

Application & library code optimization/scaling

User voice within LCF planning exercises

Requirements gathering & documentation

Exploiting parallel I/O & other technologies

Benefit:

SWIM-developed capabilities will allow existing codes to be efficiently ported to the Jaguar parallel computing environment sooner.